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NOTICE OF ALLOWANCE AND FEE(S) DUE

25889

7590

09/18/2009

COLLARD & ROE, P.C. 1077 NORTHERN BOULEVARD ROSLYN, NY 11576 EXAMINER

MCMAHON, MARGUERITE J

ART UNIT PAPER NUMBER

3741

DATE MAILED: 09/18/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	. CONFIRMATION NO.	
10/574.750	05/16/2006	Rainer Scharp	SCHARP8PCT	5451	

TITLE OF INVENTION: PISTON FOR AN INTERNAL COMBUSTION ENGINE

	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
•	nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/18/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifications.	ted below or directed oth	ng the Patent, advance onerwise in Block 1, by (rders and notification a) specifying a new co	of m orresp	pondence address;	vill be and/or	mailed to the current (b) indicating a sepa	corres ırate "I	pondence address as FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 25889 7590 09/18/2009					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
25889 COLLARD & 1077 NORTHE ROSLYN, NY	/2009			Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/574,750 TITLE OF INVENTION	05/16/2006 N: PISTON FOR AN INT	ERNAL COMBUSTION	Rainer Scharp NENGINE			\$	SCHARP8PCT		5451
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		12/18/2009
EXAM	MINER	ART UNIT	CLASS-SUBCLASS						
MCMAHON, M	MARGUERITE J	3741	123-193600						
"Fee Address" inc PTO/SB/47; Rev 03- Number is required 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DATA cless an assignee is ident th in 37 CFR 3.11. Com	" Indication form	data will appear on th	nativingle or a attor I be p r typ ne pa	ely, e firm (having as a gent) and the nammeys or agents. If printed. e) etent. If an assign assignment.	membes of uno nam	er a 2 p to lee is 3 lentified below, the de	ocume	nt has been filed for
Please check the appropri	riate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	oup ent	ity Government
Advance Order -	No small entity discount p	permitted)	b. Payment of Fee(s): (A check is enclose Payment by credit The Director is he overpayment, to D	ed. t card reby	1. Form PTO-2038 authorized to char	is atta		eficienc	y, or credit any
_ ~ .	atus (from status indicated ns SMALL ENTITY statu	*	☐ b. Applicant is no	long	er claiming SMAl	LLEN	ΓΙΤΥ status. See 37 Cl	FR 1.2	7(g)(2).
NOTE: The Issue Fee an	nd Publication Fee (if req	uired) will not be accepte	d from anyone other th						
Authorized Signature					Date				
Typed or printed name			Registration No.						
an application Confider	ntiality is governed by 35 and application form to the cions for reducing this but Virginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR	1.14 This collection is	e ecti	imated to take 12 i	minutes	to complete includin	o oath	ering preparing and

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10/574,750	05/16/2006	Rainer Scharp	SCHARP8PCT	5451		
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COLLARD & R	OE, P.C.		MCMAHON, MARGUERITE J			
1077 NORTHERN			ART UNIT	PAPER NUMBER		
ROSLYN, NY 11576			3741			
			DATE MAILED: 09/18/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 795 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 795 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/574,750	SCHARP, RAINER		
Notice of Allowability	Examiner	Art Unit		
	Marguerite J. McMahon	3741		
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS		
1. This communication is responsive to				
2. ☑ The allowed claim(s) is/are <u>1-8</u> .				
 3. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" onoted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date 	been received. been received in Application No cuments have been received in this is of this communication to file a reply is ENT of this application. itted. Note the attached EXAMINER' es reason(s) why the oath or declarate to be submitted. on's Patent Drawing Review (PTO-	national stage application from the complying with the requirements S AMENDMENT or NOTICE OF tion is deficient.		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.				
each sheet. Replacement sheet(s) should be labeled as such in the				
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 				
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4/6/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material /Marguerite McMahon/	5. Notice of Informal P. 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendn 8. Examiner's Stateme 9. Other	(PTO-413), e		
Primary Examiner, Art Unit 3741				

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The prior art fails to teach or fairly suggest the claimed invention as a whole including a circumferential projection formed close to the cooling channel, on the piston outside, the cover consisting of two semi-circular half-shells, which each have a circumferential groove on the inside facing the piston, having a groove shape that is complementary to the shape of the projection, to such an extent that the half-shells can be pushed onto the projection by way of the groove, in each instance, that the half-shells each have an apron on the piston crown side, by way of which the half-shells rest against the skirtside face of the ring wall, and that the half-shells have snap-in connections in the region of their contact surfaces, by means of which the half-shells that have been pushed onto the projection can be connected with one another, in the context of a piston for an internal combustion engine, having a piston crown, having two pin boss supports molded onto the piston crown for two pin bosses, whereby the pin boss supports are disposed set back relative to the radially outer edge of the piston crown, in the direction of the piston longitudinal axis, having two skirt elements that connect the pin bosses, and having a ring-shaped cooling channel disposed in the edge region of the piston crown, the radially outer delimitation of which is formed by a ring wall molded onto the piston crown, the radially inner delimitation of which is formed partly by the pin boss supports and partly by a ring rib molded onto the piston crown, and whose skirt-side delimitation is formed by a two-part cover...

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marguerite J. McMahon whose telephone number is 571-272-4848. The examiner can normally be reached on Monday- Friday, 10am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Cuff can be reached on 571-272-6778. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marguerite McMahon Primary Examiner Art Unit 3741 Application/Control Number: 10/574,750 Page 4

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/Marguerite McMahon/ Primary Examiner, Art Unit 3741